

CUSTOMER NO.: 24498
Serial No. 10/660,141
Advisory Action dated: 02/24/06
Response dated: 06/15/06

PATENT
PF030065

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) ~~Device~~ Bridge device for connecting a centralized wireless network to ~~at least one~~ a plurality of other networks, each of said other networks having devices which can communicate with each other, said centralized wireless network comprising:

an access point adapted to manage the centralized wireless network and to associate with a wireless device to allow said wireless device to be a member of the centralized wireless network and to allow said wireless device to communicate with other members of the centralized wireless network,

said bridge device comprising a bridge module for managing a plurality of ports for connecting to respective other networks; characterized in that

wherein said bridge device comprises a link management module for managing associations with an said access point of a centralized wireless network, and devices of networks connected to the bridge device other than the centralized wireless network; and wherein the bridge device is adapted to be a station associated to said access point of the centralized wireless network.

2. (Currently Amended) ~~Device~~ Bridge device according to claim 1, further comprising means for determining a spanning tree for all networks attached to the device, comprising means for enabling or disabling the determination of the spanning tree.

3. (Currently Amended) ~~Device~~ Bridge device according to claim 1, further comprising means for updating filtering tables for respective connected networks, said filtering tables comprising information for determining whether a message on a network is to be forwarded to another network ~~or not~~, said updating using a process by default, comprising means for enabling or disabling the default process.

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4. (Currently Amended) ~~Device~~ Bridge device according to claim 3, wherein said default process is based on analysis of source addresses in messages detected on a respective network, comprising means for enabling or disabling message detection based updating.

5. (Currently Amended) ~~Device~~ Bridge device according to claim 3, further comprising means for updating a filtering table for a given network based on a device discovery process specific to said given network.

6. (Currently Amended) ~~Device~~ Bridge device according to claim 3, wherein said default process is enabled for an Ethernet network.

7. (Currently Amended) ~~Device~~ Bridge device according to claim 3, wherein said default process is disabled for a USB network.

8. (Currently Amended) ~~Device~~ Bridge device according to claim 1, further comprising means for generating a message to said link management module upon a filtering table amendment, said means for generating having an enabled state and a disabled state for each network.

9. (Currently Amended) ~~Device~~ Bridge device according to claim 8, wherein said means for generating a message ~~are~~ is enabled for an Ethernet network.